
LD 13: Digitone Receivers, Tone Detectors, Multifrequency Senders and Receivers

This program enables the administrator to create or modify data blocks for the following:

- Digitone Receivers (DTR)
- SL-1 Tone Detectors (TDET)
- Multifrequency Receivers (MFR)
- Dial Tone Detectors (DTD)
- Multifrequency Signaling for Socotel (MFE) Senders/Receivers
- 2/5 Spanish KD3 MF Signalling (MFK5)
- 2/6 Spanish KD3 MF Signaling (MFK6)
- Extended Dial Tone Detector/Digitone Receivers (XTD)
- Multifrequency Compelled (MFC) Senders/Receivers

These cards are used by 2500-type telephones and trunks that send DTMF tones to the system, and by MF trunks to send MF tones to the system. All 2500 sets and some trunks must have Class of Service (CLS) defined as Digitone (DTN). MF reception is available to QPC916 cards only.

When the overlay is loaded the available system memory and disk records are output in a header as follows:

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DTR000
MEM AVAIL: (U/P): xxxxxx USED: xxxxx TOT: xxxxxxxx
DISK RECS AVAIL: xxx
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Incremental Software Management (ISM) also provides a header to indicate system configuration limits. For LD 13, the header appears as follows:

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TNS AVAIL: xxxxxx USED: xxxxxx TOT: xxxxxx
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Prompts and responses

Prompt	Response	Comment
REQ	aaa	Request (aaa = CHG, END, MOV, NEW, or OUT)
TYPE	a...a	Type of data block (a...a = DTD, DTR, MFC, MFE, MFK5, MFK6, MFR, TDET, or XTD)
TN	l s c u	Terminal Number (l s c u ranges are defined on page 178)
POLR	a...a	Polarity of LED messages for DTD (a...a = (NORM) or REV)
XTDT	(0)-7	Extended Tone Detector Table number
- DTO	(NO) YES	Dial Tone Detection Only
CDEN	aa	Card Density (aa = SD, DD, or 4D)
TOTN	l s c u	To Terminal Number (l s c u ranges are defined on page 178)

Alphabetical list of prompts

Prompt	Response	Comment	Pack/Rel
CDEN		Card Density	basic-1
	SD	Enter SD if this unit is on a single density circuit pack. The card density cannot be changed from DD to SD if more than one unit is assigned.	
	DD	Enter DD if this unit is on a double density circuit pack. DD is not allowed if the network loop is not configured for double density	
	4D	Enter 4D if this unit is on a quadruple density circuit pack. 4D is not allowed if the network loop is not configured for quadruple density	
	<cr>	If REQ = NEW and TYPE = DTR then CDEN is set to the default density as specified in the configuration record.	
DTO		Dial Tone Detection Only	dtd-10
	(NO)	Do not disable DTR Detection	
	YES	Disable DTR detection, only perform dial tone detection. Prompted when TYPE = XTD	
POLR		Polarity of LED messages	dtd-10
	(NORM)	Normal	
	REV	Reversed	
REQ		Request	basic-1
	CHG	Change existing data	
	END	Exit overlay program	
	MOV	Move from one TN to another	
		CAUTION: There is a possibility of data corruption when Digitone Receivers are moved using this response.	
	NEW	Add new data to the system	
	OUT	Remove information from data block	

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Prompt	Response	Comment	Pack/Rel
TN	I s c u	Terminal Number The TN defines the location of the console. The lscu range values are as follows: Where l = • 0 - 159, for loops, superloops must be multiples of four, starting with superloop 0 Where s = • 0 - 3: PE shelves of loops defined as TERM in LD 17 • 0 - 1: PE shelves of loops defined as TERD in LD 17 and superloops • 0: PE shelves of loops defined as TERQ in LD 17 Where c = • 1 - 10: PE cards of dual and enhanced loops • 0 - 15: IPE cards of superloops Where u = • 0: single density or one unit • 0 - 1: double density units and TDET/MFC/MFE • 0 - 3: quad density units and XMFC/XMFE • 0 - 7: octal density units	basic-1
	c u	Option 11 Terminal Number ranges are: • c = 1-20 (card number) • c = 0-30 (card number for NTBK45 System Core circuit card) • u = 0-7 (unit number)	
	cc uu	Option 11C Terminal Number ranges are: • cc = 0-30 (card number) • uu = 0-15 when TYPE = DTR or XTD • uu = 8-11 when TYPE = MFR, MFC, MFE, MFK5, MFK6 for Card 0 Note that units 0-7 must be of one type. Units 8-15 must also be of one type. The new MFC/MFE/MFK5/MFK6 units on Card 0 must be enabled using the ENLX 0 command in LD 34.	

Prompt	Response	Comment	Pack/Rel
TOTN	I s c u c u	To Terminal Number General TN format Option 11 format	basic-1
TYPE		Type of data block	basic-1
	DTD DTR	Dial Tone Detector data block Digitone Receiver data block	
	MFC	Multifrequency Compelled sender/receiver data block Multifrequency Compelled Signaling (MFC) package 128 is required.	
	MFE	Multifrequency Signaling for Socotel sender/receiver data block. Multifrequency Signaling for Socotel (MFE) package 135 is required.	mfe-10
	MFK5	2/5 Spanish KD3 MF Signaling	kd3-20
	MFK6	2/6 Spanish KD3 MF Signaling	kd3-20
	MFR	Multifrequency Receiver data block MFR applies to Feature Group D. Up to 255 MF Receivers can be defined. Only units 0 and 1 can be used. Feature Group D (FGD) package 158 is required.	
	TDET	Tone Detector data block (Not supported on Option 11)	
	XTD	Extended Dial Tone Detector and Digitone Receiver data block	
XTDT	(0)-7	Extended Tone Detector Table number If a table other than 0 is entered, it must exist in LD 97. This prompt appears when TYPE = XTD.	tdet-7